

1	ABC 2	DEF 3
GHI 4	JKL 5	MNO 6
PRS 7	TUV 8	WXY 9
*	OPER 0	#

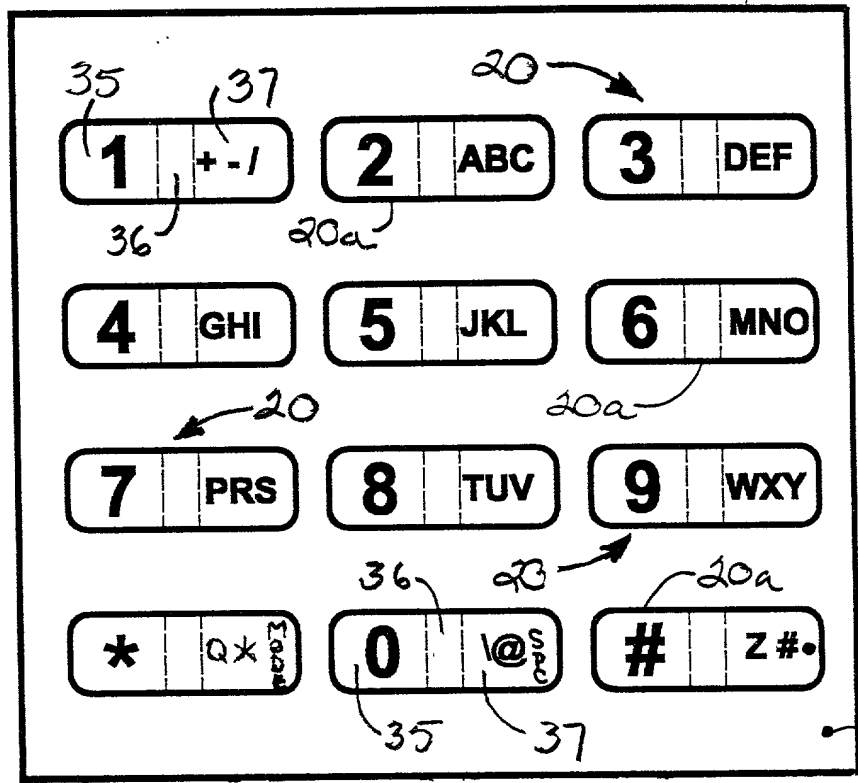
FIG. 1
PRIOR ART

600420" E9240660

10

Fig. 2A

18

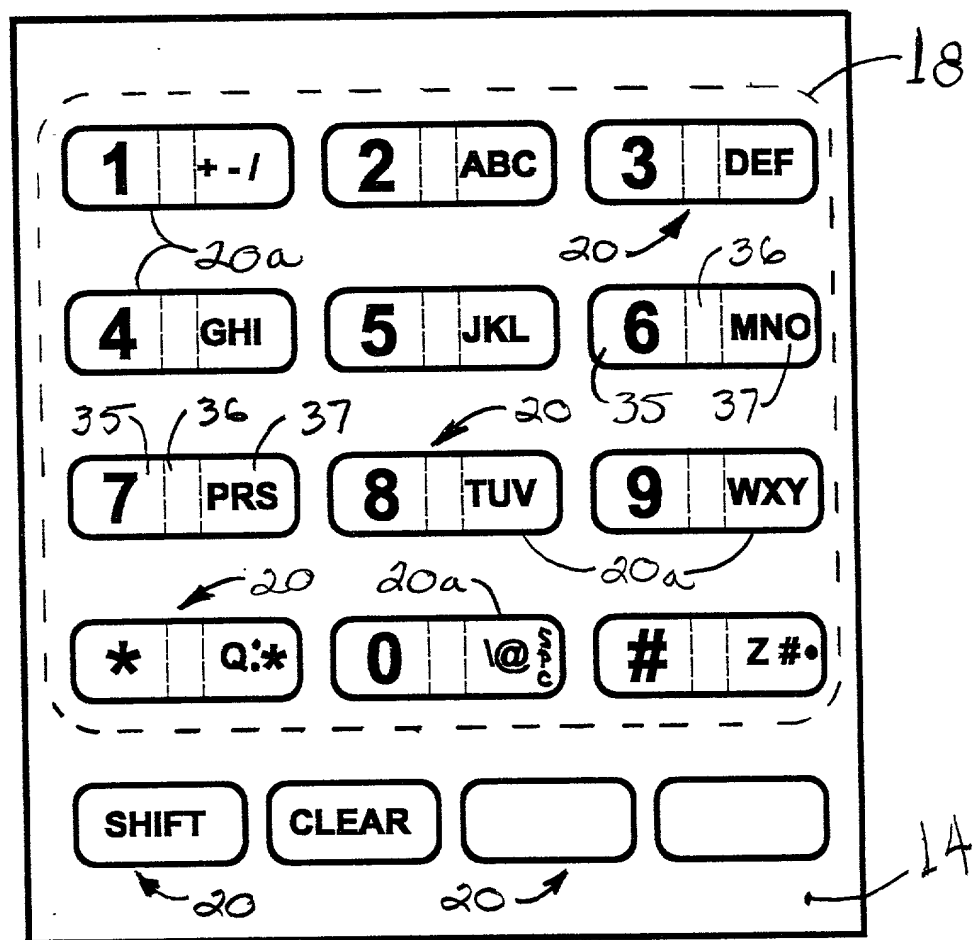


14

FIG. 2B

10

Fig. 2B



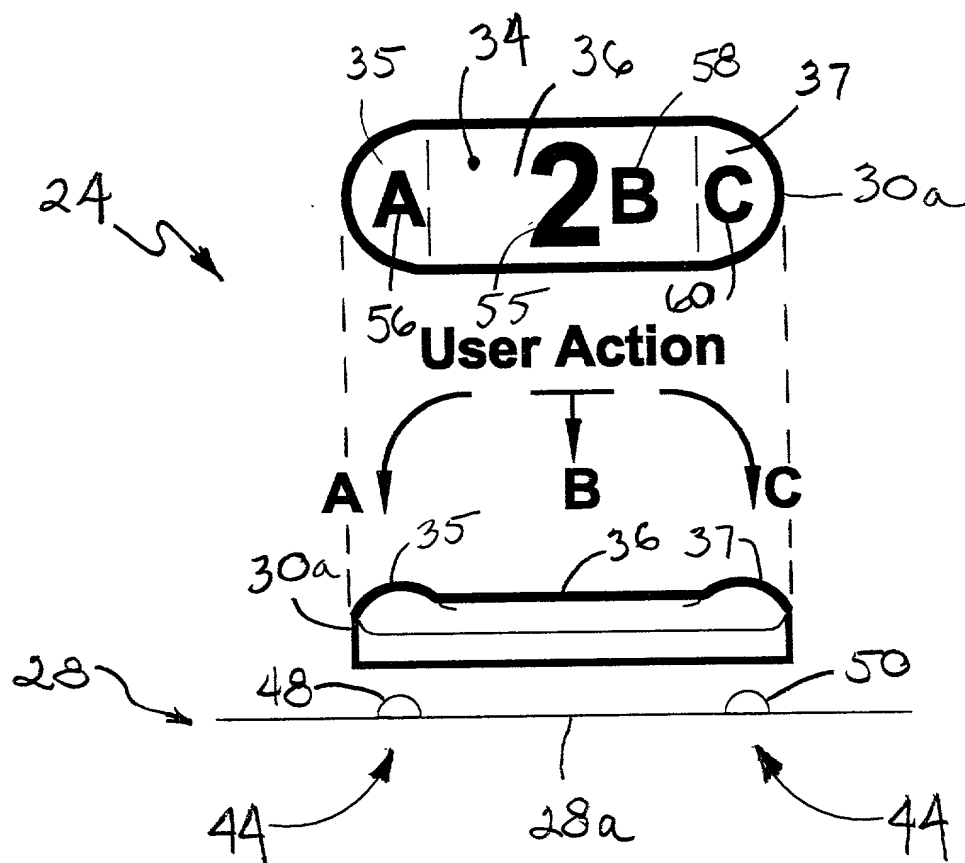


FIG. 3A

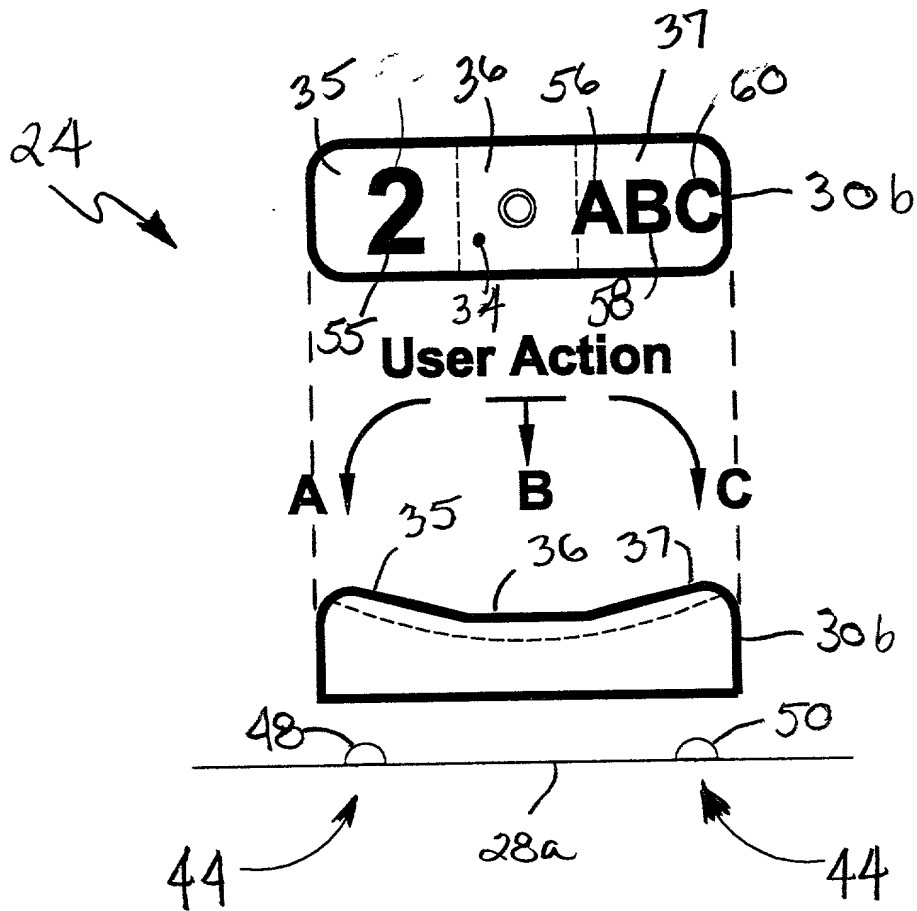


FIG. 3B

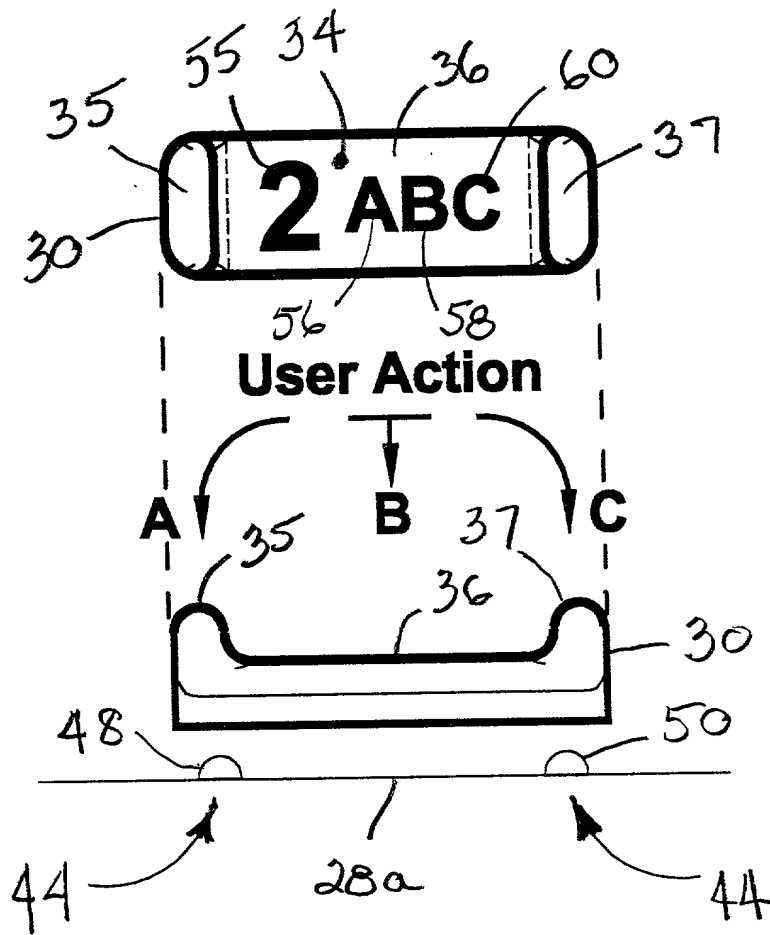


FIG. 3C

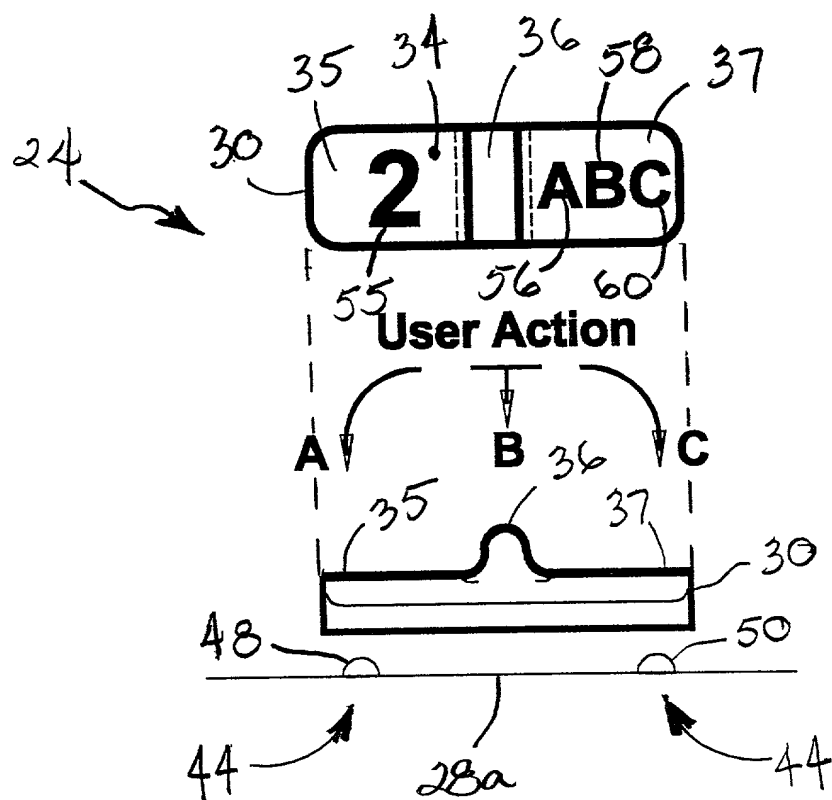


FIG. 3D

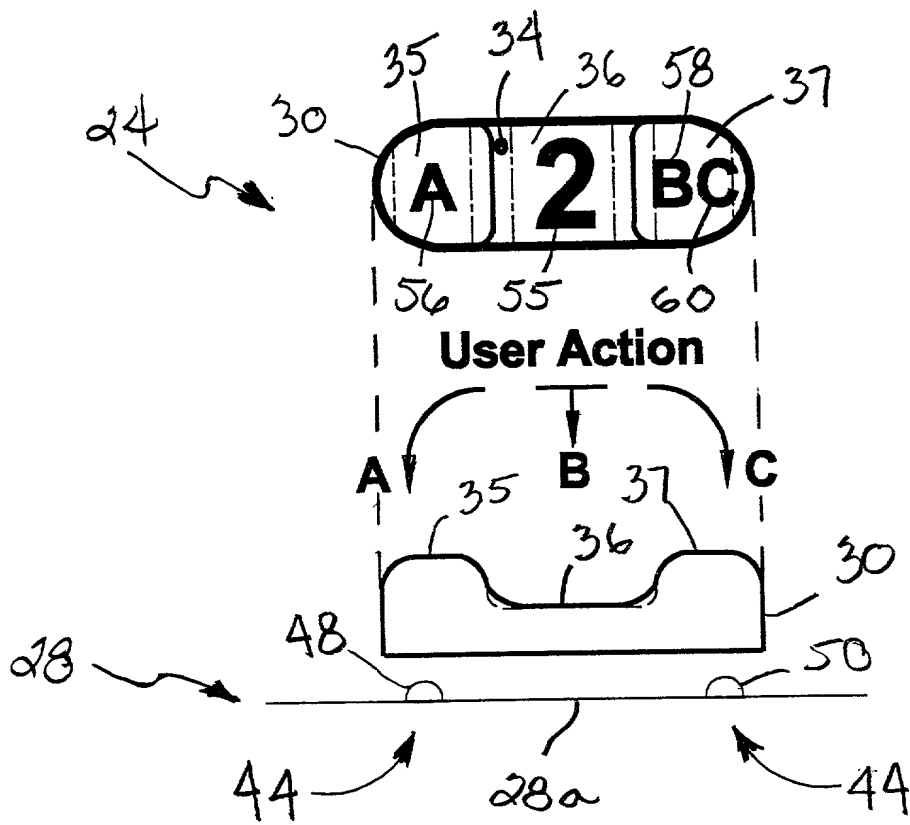


FIG. 3E

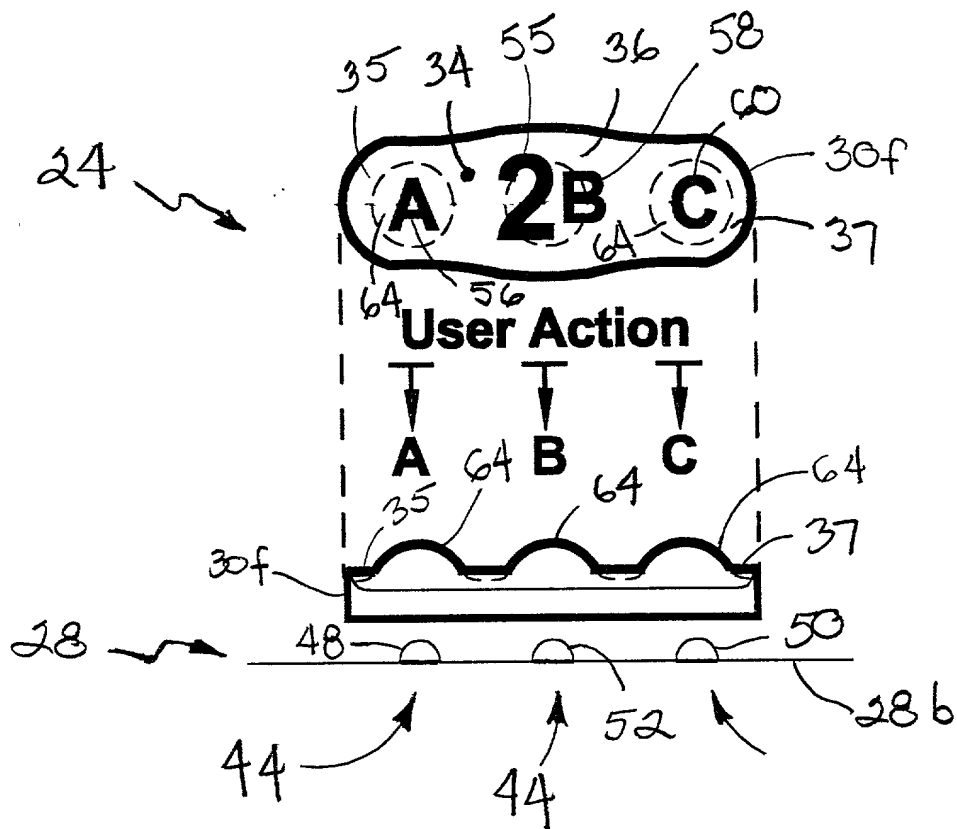


FIG. 4A

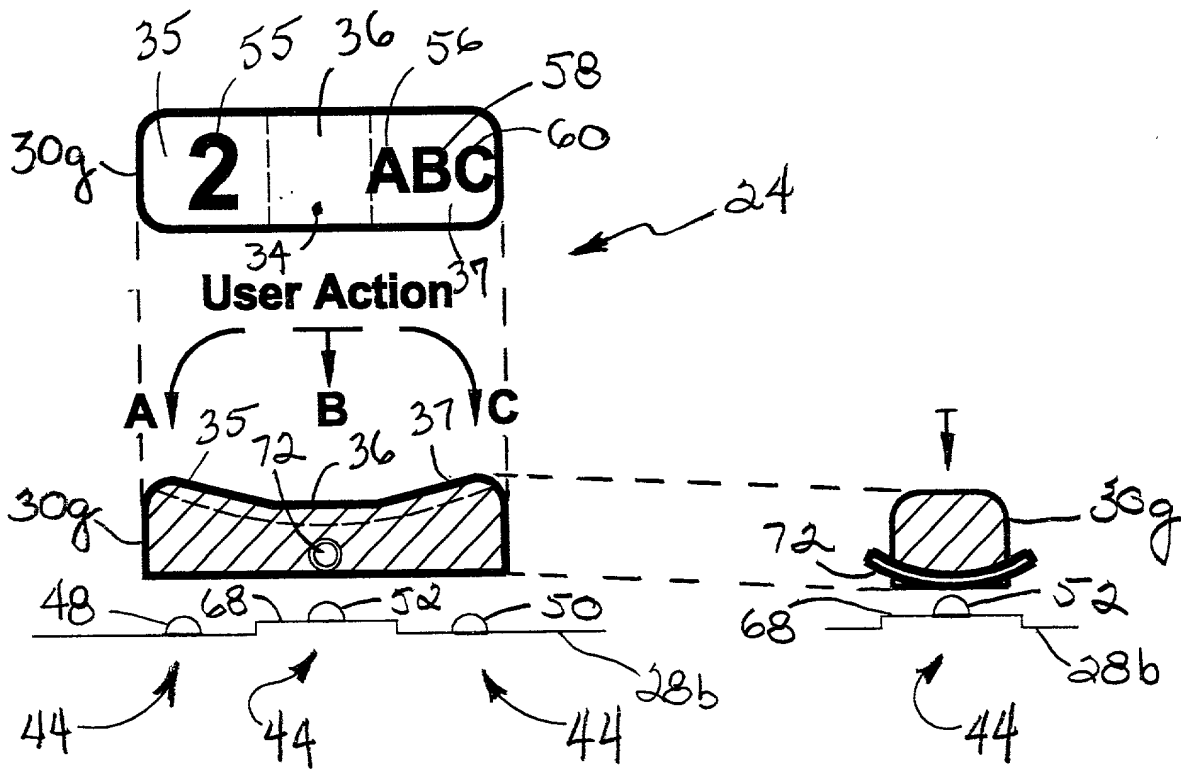


FIG. 4B

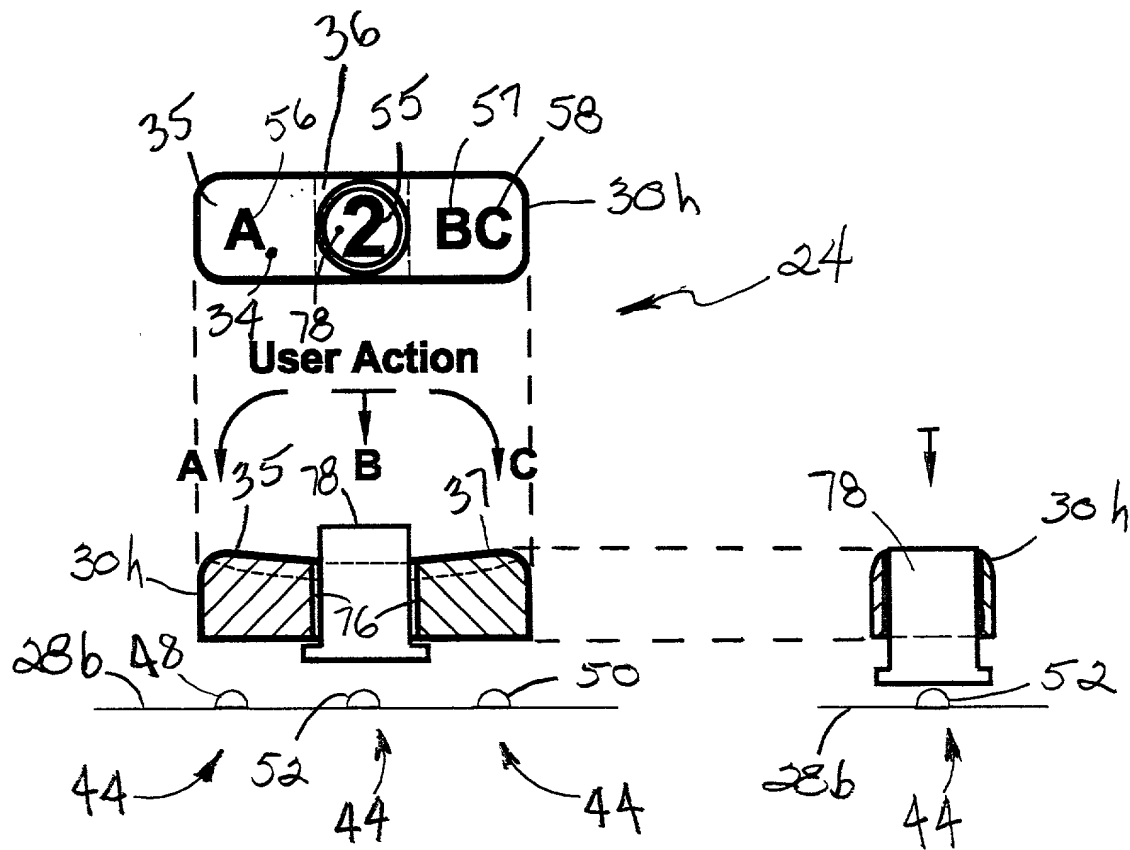


FIG. 4C

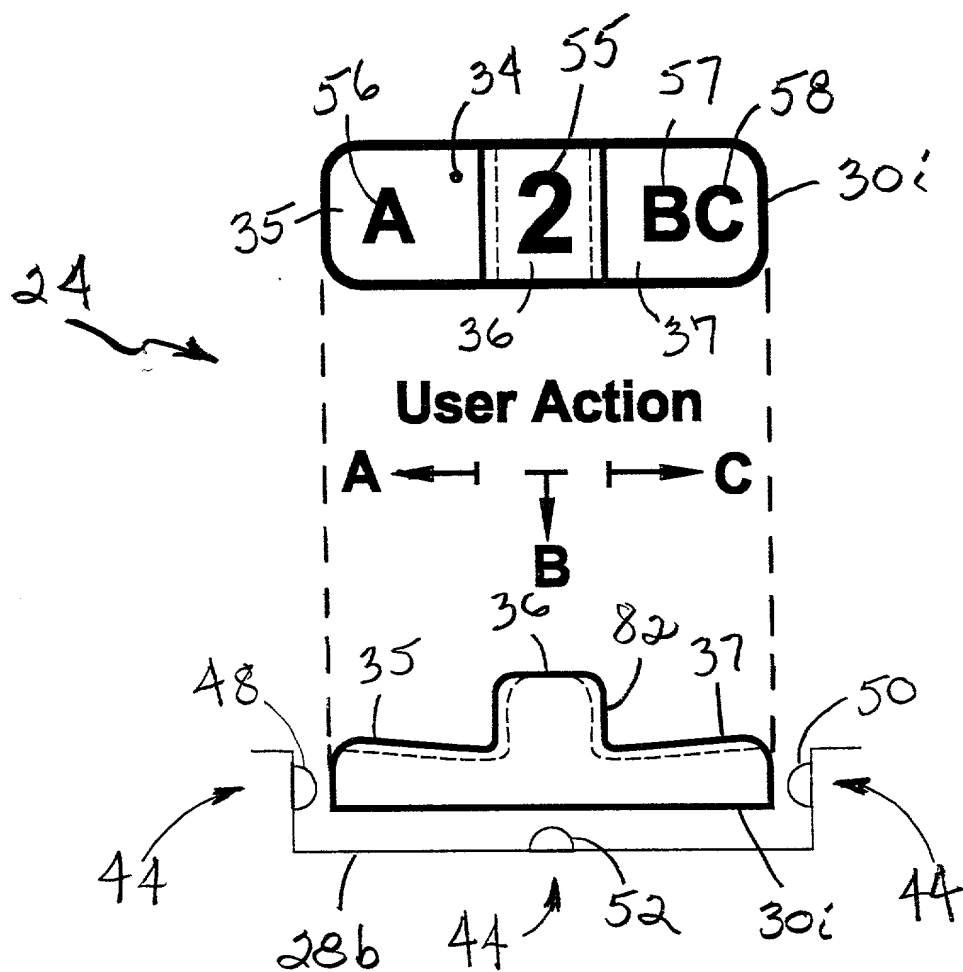


FIG. 4D

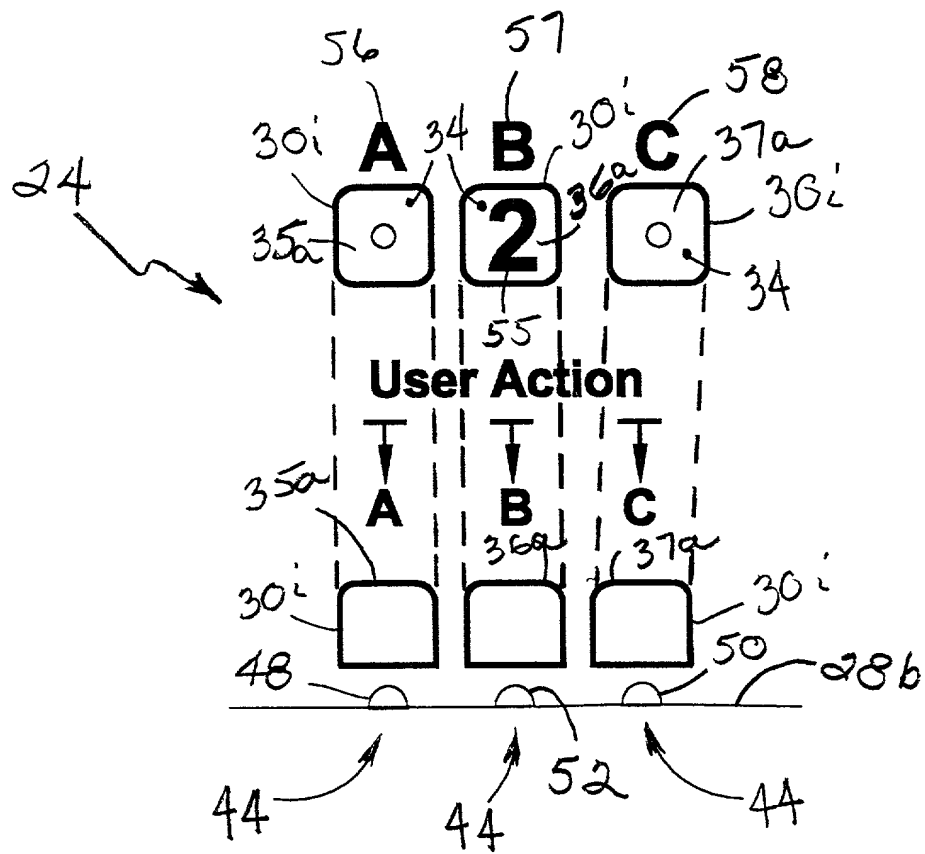


FIG. 4E

FIG. 5A

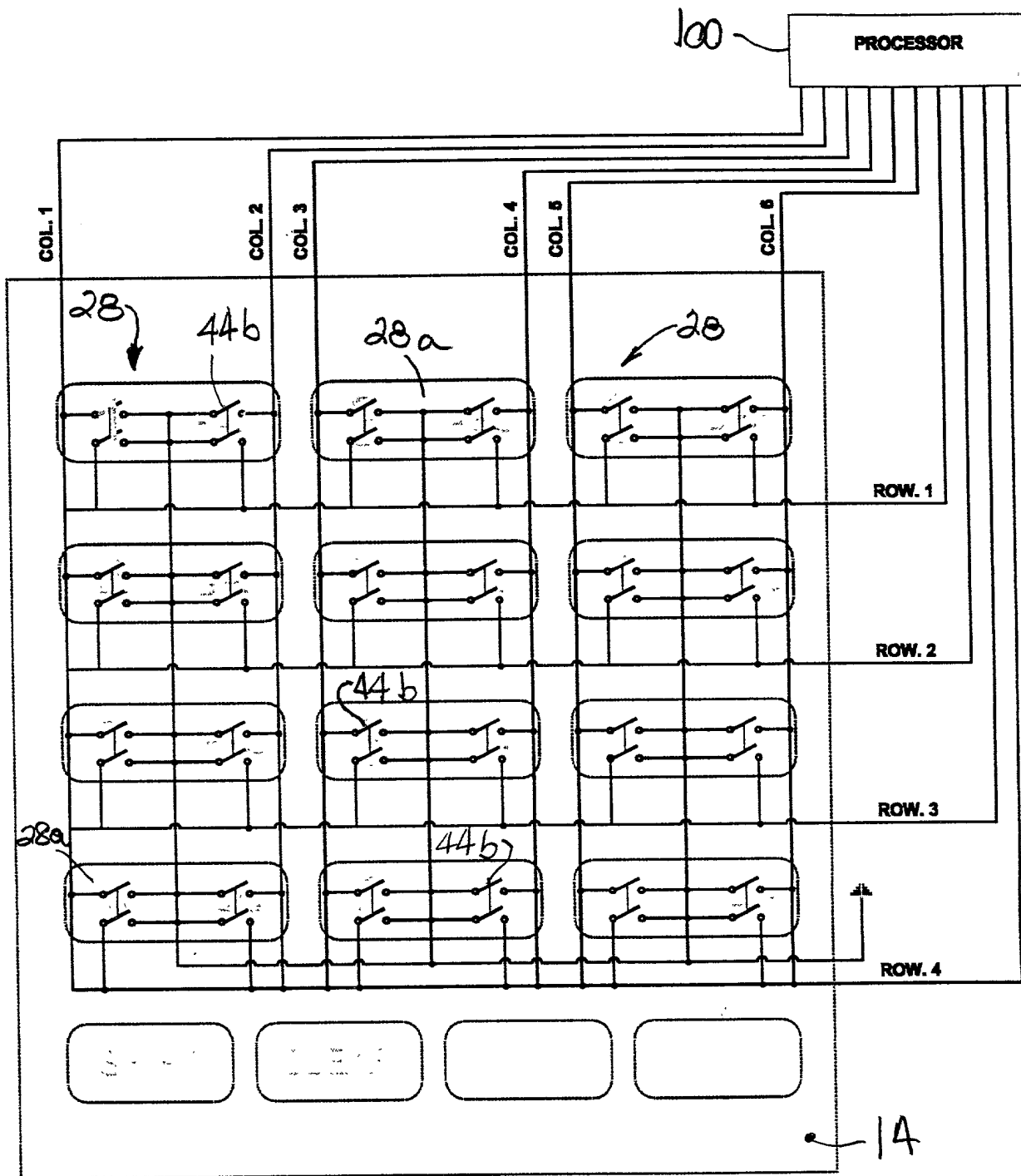


FIG. 5A

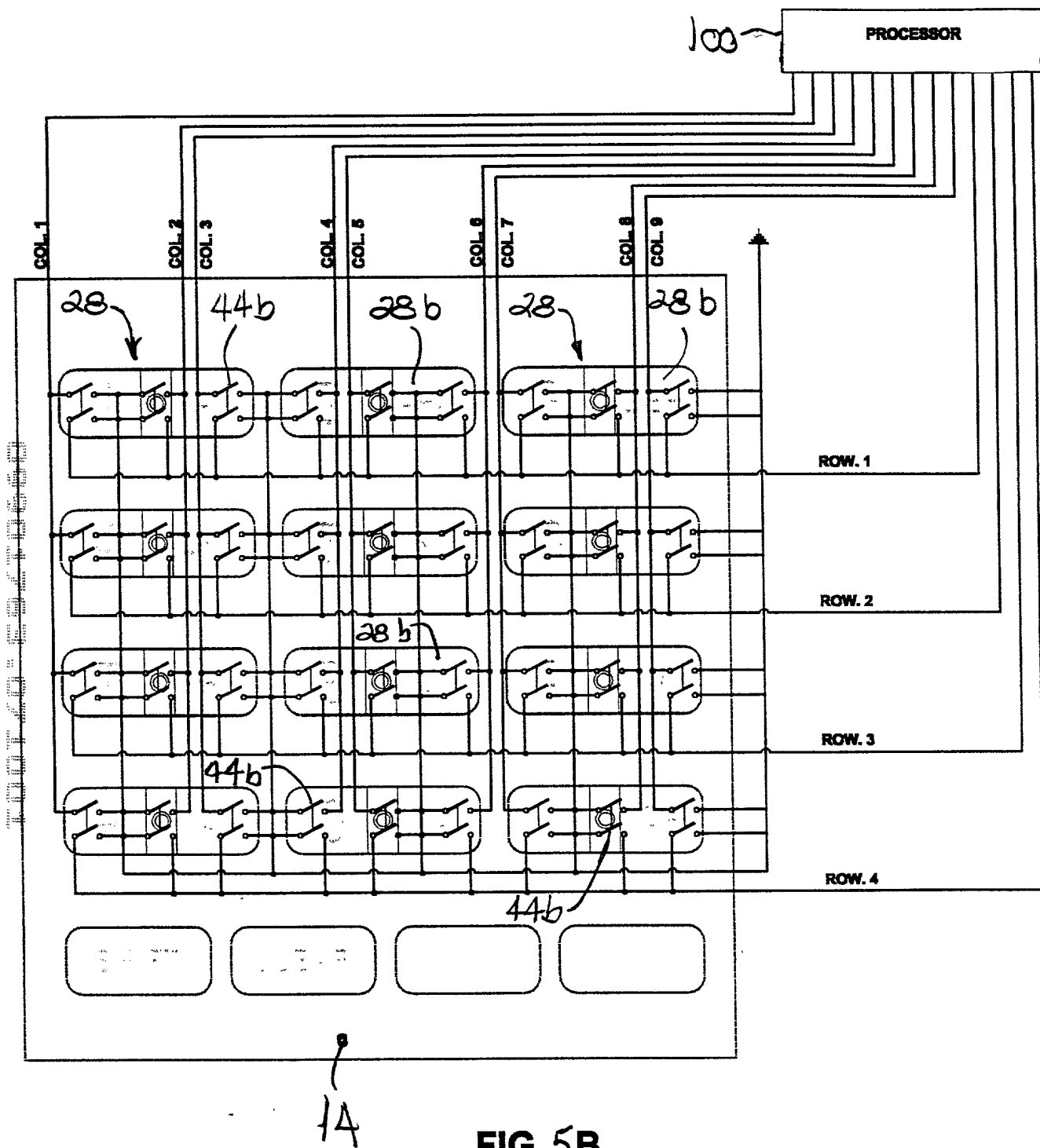


FIG. 5B

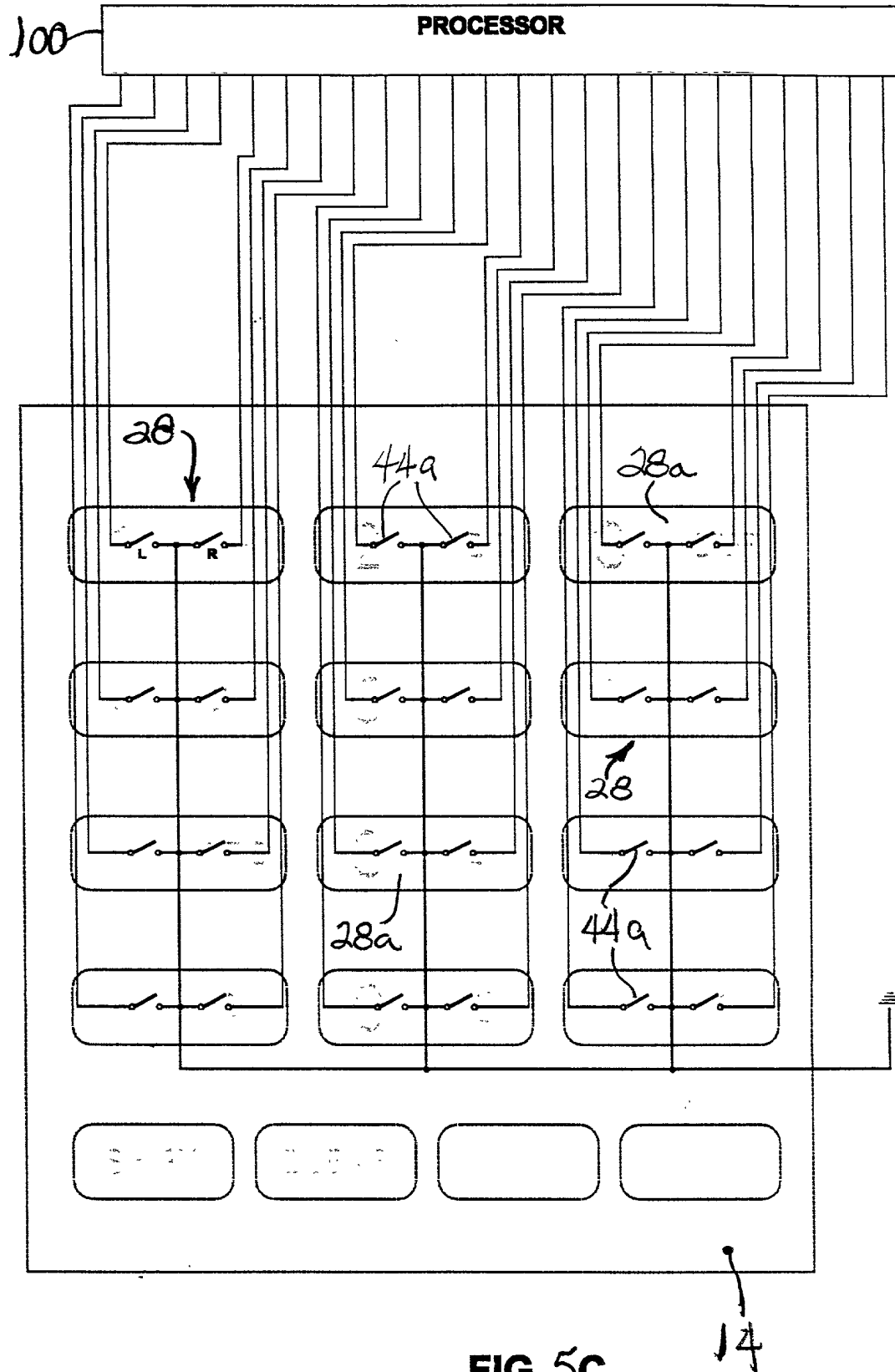


FIG. 5C

FIG. 5D

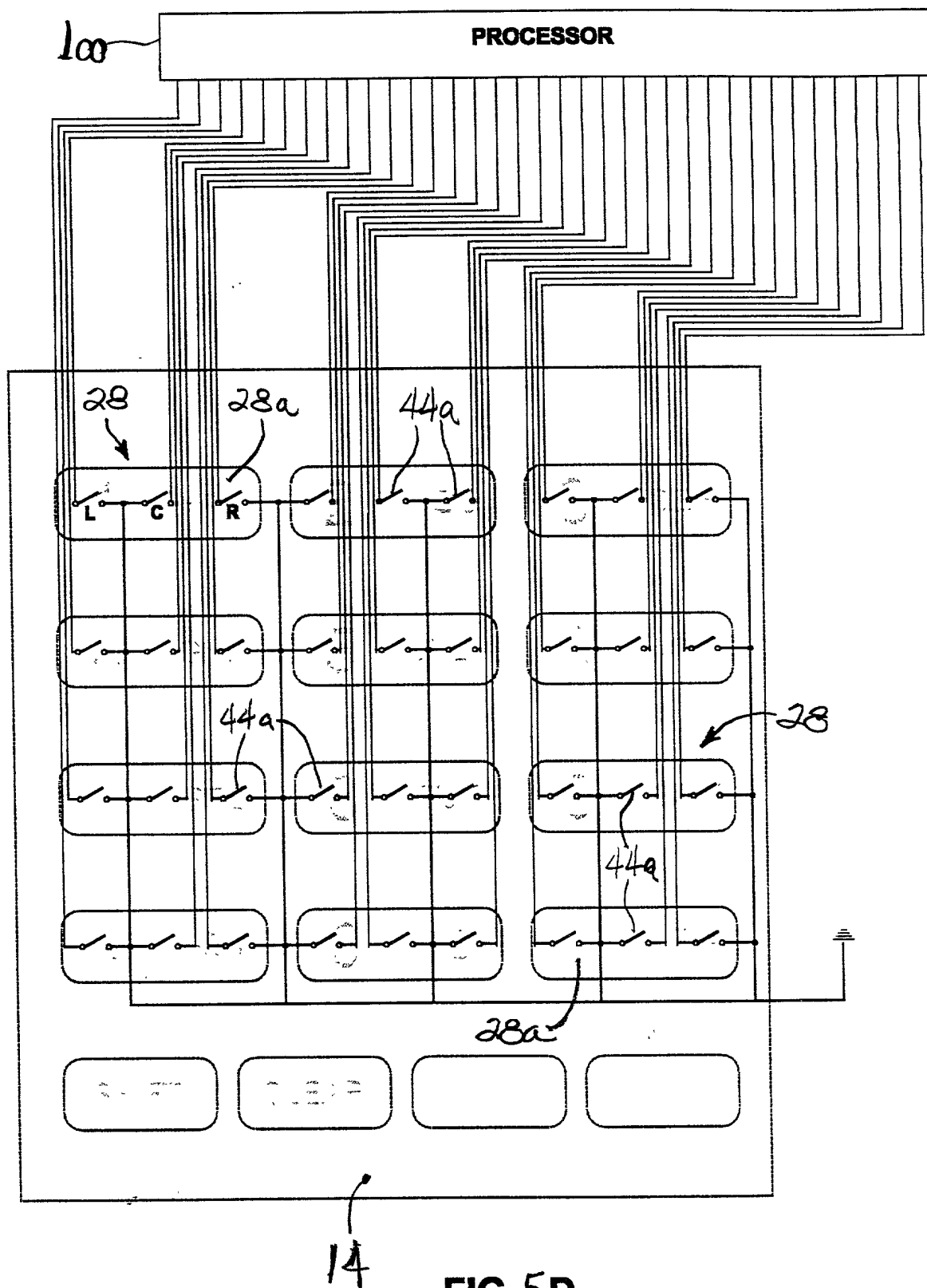


FIG. 5D

		DISPLAY			
Button	Mode of operation	SHIFT Position	Action A	Action B	Action C
1	NUMERIC/SHIFT OFF		1	1	1
2	NUMERIC/SHIFT OFF		2	2	2
3	NUMERIC/SHIFT OFF		3	3	3
4	NUMERIC/SHIFT OFF		4	4	4
5	NUMERIC/SHIFT OFF		5	5	5
6	NUMERIC/SHIFT OFF		6	6	6
7	NUMERIC/SHIFT OFF		7	7	7
8	NUMERIC/SHIFT OFF		8	8	8
9	NUMERIC/SHIFT OFF		9	9	9
*	NUMERIC/SHIFT OFF		*	*	Shift On
0	NUMERIC/SHIFT OFF		0	0	0
#	NUMERIC/SHIFT OFF		#	#	#
1	ALPHA/SHIFT ON	SHIFT	+	-	/
2	ALPHA/SHIFT ON	SHIFT	A	B	C
3	ALPHA/SHIFT ON	SHIFT	D	E	F
4	ALPHA/SHIFT ON	SHIFT	G	H	I
5	ALPHA/SHIFT ON	SHIFT	J	K	L
6	ALPHA/SHIFT ON	SHIFT	M	N	O
7	ALPHA/SHIFT ON	SHIFT	P	R	S
8	ALPHA/SHIFT ON	SHIFT	T	U	V
9	ALPHA/SHIFT ON	SHIFT	W	X	Y
*	ALPHA/SHIFT ON	SHIFT	Q	*	Shift Off
0	ALPHA/SHIFT ON	SHIFT	\	@	SPACE
#	ALPHA/SHIFT ON	SHIFT	Z	#	•

Fig. 6A

		DISPLAY			
Button	Mode of operation	SHIFT Position	Action A	Action B	Action C
1	NUMERIC/SHIFT OFF		1	1	1
2	NUMERIC/SHIFT OFF		2	2	2
3	NUMERIC/SHIFT OFF		3	3	3
4	NUMERIC/SHIFT OFF		4	4	4
5	NUMERIC/SHIFT OFF		5	5	5
6	NUMERIC/SHIFT OFF		6	6	6
7	NUMERIC/SHIFT OFF		7	7	7
8	NUMERIC/SHIFT OFF		8	8	8
9	NUMERIC/SHIFT OFF		9	9	9
*	NUMERIC/SHIFT OFF		*	*	*
0	NUMERIC/SHIFT OFF		0	0	0
#	NUMERIC/SHIFT OFF		#	#	#
1	ALPHA/SHIFT ON	SHIFT	+	-	/
2	ALPHA/SHIFT ON	SHIFT	A	B	C
3	ALPHA/SHIFT ON	SHIFT	D	E	F
4	ALPHA/SHIFT ON	SHIFT	G	H	I
5	ALPHA/SHIFT ON	SHIFT	J	K	L
6	ALPHA/SHIFT ON	SHIFT	M	N	O
7	ALPHA/SHIFT ON	SHIFT	P	R	S
8	ALPHA/SHIFT ON	SHIFT	T	U	V
9	ALPHA/SHIFT ON	SHIFT	W	X	Y
*	ALPHA/SHIFT ON	SHIFT	Q	(*
0	ALPHA/SHIFT ON	SHIFT	\	@	SPACE
#	ALPHA/SHIFT ON	SHIFT	Z)	#

Fig. 6B

KEY PRESSED		INPUT RECEIVED	
		COLUMN	ROW
1	LEFT	1	1
	RIGHT	2	1
2	LEFT	3	1
	RIGHT	4	1
3	LEFT	5	1
	RIGHT	6	1
4	LEFT	1	2
	RIGHT	2	2
5	LEFT	3	2
	RIGHT	4	2
6	LEFT	5	2
	RIGHT	6	2
7	LEFT	1	3
	RIGHT	2	3
8	LEFT	3	3
	RIGHT	4	3
9	LEFT	5	3
	RIGHT	6	3
*	LEFT	1	4
	RIGHT	2	4
0	LEFT	3	4
	RIGHT	4	4
#	LEFT	5	4
	RIGHT	6	4

Fig. 7

Fig. 8

KEY PRESSED		INPUT RECEIVED	
		COLUMN	ROW
1	LEFT	1	1
	CENTER	2	1
	RIGHT	3	1
2	LEFT	4	1
	CENTER	5	1
	RIGHT	6	1
3	LEFT	7	1
	CENTER	8	1
	RIGHT	9	1
4	LEFT	1	2
	CENTER	2	2
	RIGHT	3	2
5	LEFT	4	2
	CENTER	5	2
	RIGHT	6	2
6	LEFT	7	2
	CENTER	8	2
	RIGHT	9	2
7	LEFT	1	3
	CENTER	2	3
	RIGHT	3	3
8	LEFT	4	3
	CENTER	5	3
	RIGHT	6	3
9	LEFT	7	3
	CENTER	8	3
	RIGHT	9	3
*	LEFT	1	4
	CENTER	2	4
	RIGHT	3	4
0	LEFT	4	4
	CENTER	5	4
	RIGHT	6	4
#	LEFT	7	4
	CENTER	8	4
	RIGHT	9	4

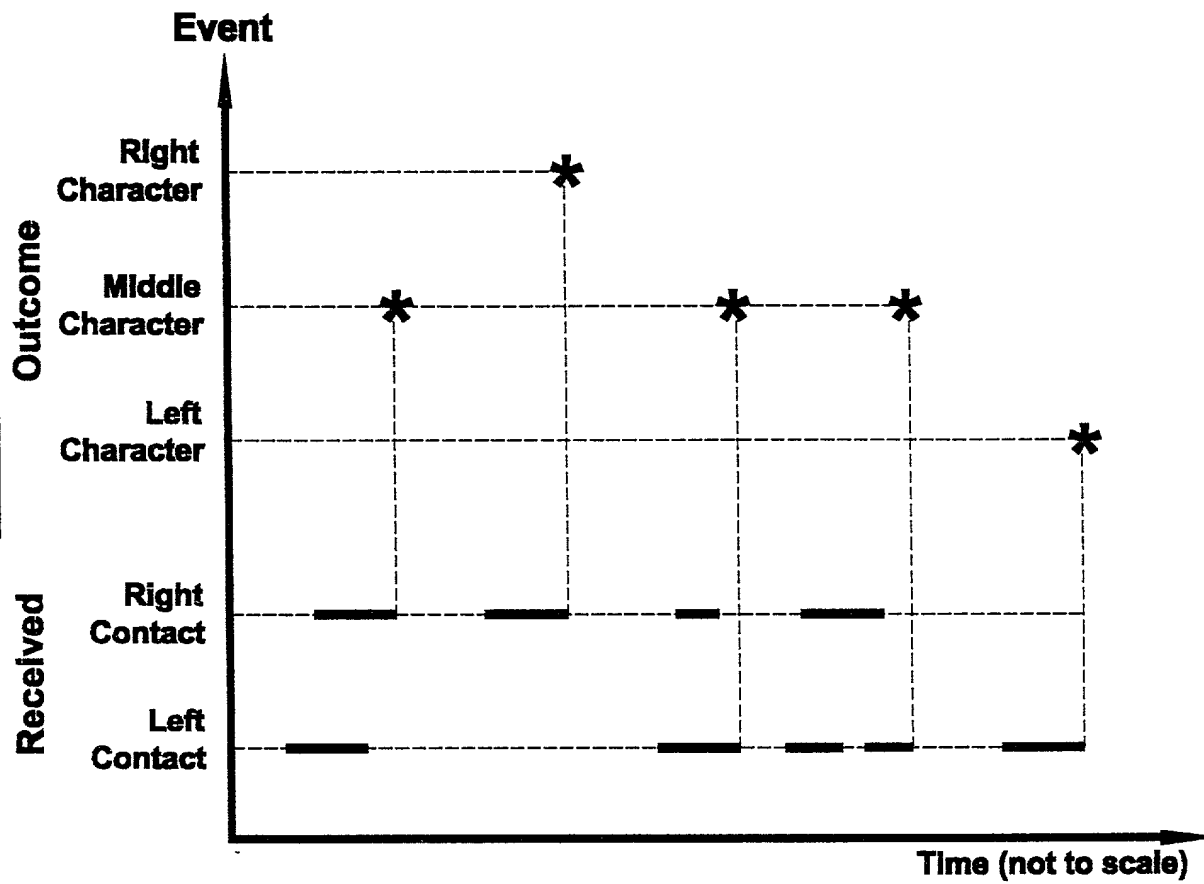


Fig. 9